

Ser. No. 10/576,790
Docket No. NIT004WUS/AGg/bp
BOT.005

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AMENDMENTS TO CLAIMS:

Please cancel claims 7 and 14-20 without prejudice or disclaimer.

1. (Currently amended) A torch with integrated electrolytic action for the surface treatment of metals, comprising:

a peak-paddle connected with the unipolar electric current supply from an external apparatus, the other pole being connected with the metal surface being treated, in which an the electrolytic solution used for the specific treatment is arranged in a tank connected to said torch to supply said peak-paddle through channels inside said torch, and [[;]] the electrolytic solution is put under pressure in a the delivery direction through a metering device of said solution controlled by the user;

wherein said torch comprises as a ~~control device for controlling a delivery of the~~ allocation of the electrolytic solution, a manual pump realized with a flexible zone of a shell the flexibility of a cover of said torch, arranged in set on any part of supply the adduction ducts, being said pump comprising a first non-return valve realized with a couple of non-return valves arranged upstream and a second non-return valve arranged downstream set one on the top and the other on the bottom of said flexible zone of the shell cover.

2. (Currently amended) The A torch according to claim 1, wherein said shell comprises a handgrip shaped to include rigidifying zones and zones with concentrated flexibility with integrated electrolytic action for the surface treatment of metals, comprising:

~~a peak-paddle connected with the unipolar electric current supply from an external apparatus, the other pole being connected with the metal surface being treated, in which the electrolytic solution used for the specific treatment is arranged in a tank connected to said torch to supply said peak-paddle through channels inside said torch; the electrolytic solution is put under pressure in the delivery direction through a metering device of said solution controlled by the user;~~

~~wherein said torch comprises as a device for controlling the delivery of the electrolytic solution, a manual pump with mobile piston, set on any point of the adduction ducts and~~

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~~activated by the pressure of the user on the body or cover of said torch; combined to said pump with a mobile piston at least one non-return valve set on the ducts between said piston and tank.~~

3. (Currently amended) The torch according to ~~the previous~~ claim 2 1, wherein said shell is shaped to include a chamber on a central metallic body of the handgrip downstream of the first non-return valve ~~said cover of the torch is formed for realizing stiffening zones and concentrated flexibility zones.~~

4. (Currently amended) The torch according to ~~the previous~~ claim 3, wherein said shell is shaped to include a chamber at the second non-return valve and at the flexible zone of said shell ~~the cover is formed for realizing on the central metal body of the torch a chamber on the top of the non-return valve.~~

5. (Currently amended) The torch according to ~~the previous~~ claim 4, wherein the shell is shaped to include preferential sealing zones between an inside of the shell and the metallic body, through annular seats on the metallic body and corresponding annular inner edges in the shell ~~cover is formed in order to realize a chamber in correspondence to the second non-return valve and in correspondence to the most flexible zone of said cover.~~

6. (Currently amended) The torch according to claim 3, wherein said shell is shaped to include preferential sealing zones between an inside of the shell and the metallic body, through annular grooves on an outside of the shell for an application of a belt and locking rings of the shell ~~cover of the torch is formed for realizing preferential capacity zones between the inside of the cover and the metallic body, by annular seats on said body and correspondent internal annular borders in the cover.~~

7. (Cancelled)

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8. (Previously presented) The torch according to claim 1, wherein said tank of the electrolytic solution is removably connected to said torch.
9. (Previously presented) The torch according to claim 1, wherein said tank comprises, connected with the inside thereof, a filter permeable just to air or a capillary for the re-entrance of air after the suction of the electrolytic solution.
10. (Currently amended) The torch according to the ~~previous~~ claim 9, wherein said tank is of the type with a semi-rigid or flexible casing for the re-entry of air after spraying worked by the user.
11. (Previously presented) The torch according to claim 1, wherein said tank is of the type with a rigid casing in which inside of it there is a mobile partition with a surface in contact with atmospheric pressure for the re-entry of air after the suction of the electrolytic solution.
12. (Currently amended) The torch according to claim ~~11~~ 1, wherein said tank is of the type with a rigid casing in which inside of it there is a mobile partition with a surface in contact with a pressurised chamber (G) to push upon said partition during the delivery to push the electrolytic solution.
13. (Previously presented) The torch according to the previous claim 11, wherein said tank is of the type with a rigid casing in which inside of it there is a mobile partition equipped with a union hole for a traction and return shaft of the partition, to realise the reloading of the tank with the suction of the electrolytic solution.
- 14-20. (Cancelled)